

AMENDMENT TO THE CLAIMS

This Listing of Claims will replace all prior versions, and listings, of claims in the subject Patent Application:

LISTING OF CLAIMS:

Claims 1-10 (canceled).

Claim 11 (original) A diaphragm pump for a fuel cell, the diaphragm pump is used in an anode stream recirculation system for the fuel cell, the diaphragm pump comprising a wall defining an interior space, a piston provided in the interior space, and a diaphragm assembly sealing with the piston and the wall of the diaphragm pump thereby dividing the interior space into two portions.

Claim 12 (original) The diaphragm pump according to Claim 11, further comprising an elastic device resisting against a bottom of the piston to provide an upward force to the piston; the piston is adapted to move between a first position and a second position depending on variation of pressure on two sides of the diaphragm assembly and the force provided by the elastic device.

Claim 13 (original) The diaphragm pump according to Claim 11, further comprising at least one sensor to sense the piston.

Claim 14 (original) The diaphragm pump according to Claim 13, wherein the diaphragm pump comprises two Hall effect sensors with one disposed at an upper side and the other disposed at a lower side of the diaphragm pump, and a magnetic member disposed on the piston to interact with the Hall effect sensors.

Claim 15 (original) The diaphragm pump according to Claim 11, wherein the diaphragm assembly comprises a diaphragm made of rubber.